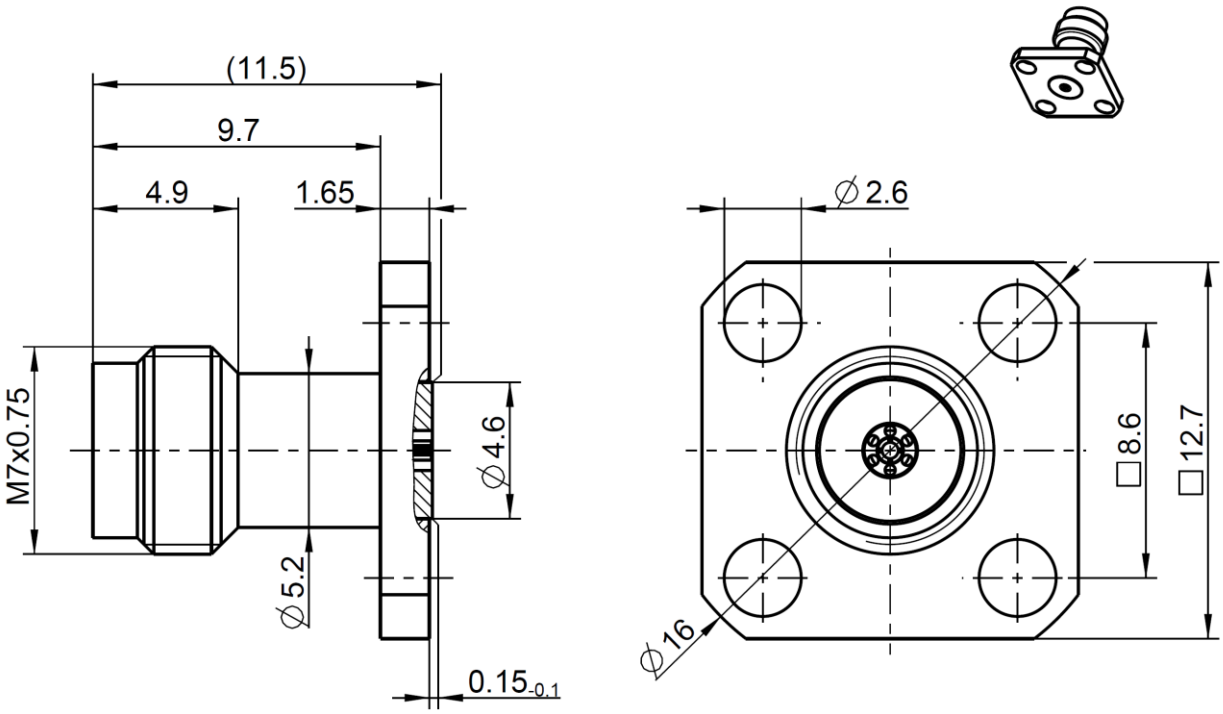
Technical Data Sheet		Rosenberger
RPC-1.85	Launcher jack for glassbead	**08K422-800S5**



for glass-bead of 0.3 mm pin diameter.

All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to	IEC 61169-32
Mechanically compatible with	RPC-2.40

Documents

Assembly instruction	02 E1

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact RPC-1.85	Stainless steel	Passivated
Outer contact hermetical side	CuBe	AuroDur®, gold plated
Dielectric	PS	

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Electrical data

Impedance	50 Ω
Frequency	DC to 70 GHz
Return loss [1)]	≥ 25 dB, DC to 26.5 GHz ≥ 19 dB, 26.5 GHz to 50 GHz ≥ 16.5 dB, 50 GHz to 70 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 4.0 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	500 V rms
Working voltage	150 V rms
RF-leakage	≥ 100 dB up to 1 GHz

1) measured including measuring adaptor 08K421-900S3

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 20 N
Coupling test torque	1.65 Nm
Recommended torque	0.80 Nm to 1.10 Nm

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

Tooling

Soldering fixture	02W001-000
Tool adaptor	02W002-000

Suitable glass bead

Glass bead	02Z101-000

Weight

3.3 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date
Herbert Babinger	19.02.07	Armin Maiwälder	07.01.20

Rev.	Engineering change number	Name	Date
e00	19-2430	S. Schmid	03.01.20

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